

1402

PITTSBURGH PERFECT FENCES



PITTSBURGH PERFECT FENCING
PITTSBURGH STEEL CO.

PITTSBURGH STEEL CO.
PITTSBURGH, PA.

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PITTSBURGH STEEL CO.

J. E. DOBBINS,
TROY, PA.

THE FENCE QUESTION

Careful study as to the requirements of fence users in the way of a fence

- That will **stand** ordinary as well as **hard usage**;
- That **will not sag** in Summer's heat nor break in the cold of Winter;
- That is made of the **best material** for fencing purposes;
- That has **stays** that **will not slip**, nor can they be moved out of place;
- That **will conform to the most uneven ground**, and can be erected over hills and through valleys as well as on level ground;
- That has **no slack wires** to spoil the appearance as well as the efficiency of the fence;
- That does not require an expert to erect;
- That is **low in price**;

Has resulted in our being able to bring to your notice the perfection of Field and Hog Fencing which we have appropriately named

THE "PITTSBURGH PERFECT" FENCE

For Field, Farm and Ranch.

Made by us Exclusively.

The only "ELECTRICALLY WELDED" Steel Wire Fence.

PITTSBURGH STEEL COMPANY,
Pittsburgh, Pa.

"PITTSBURGH PERFECT" FENCES

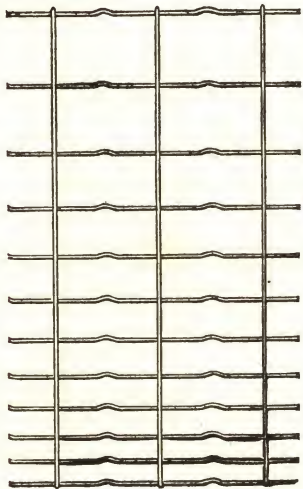
Are made out of a specially tested, heavily galvanized steel wire. The wire is made from steel of our own formula and years of experience in fence making guarantees to you that it is the best possible material for fencing purposes. All of our fencing has for the top and bottom bars, **No. 9 Galvanized Steel Wire**; intermediate bars, **No. 11 Galvanized Steel Wire**; stays or uprights, **No. 12 Galvanized Steel Wire**.

More than ample provision for **expansion and contraction** is made in the tension curves and these curves in connection with our **electrically welded** stay wires insure an indestructible fence not obtainable elsewhere. **We are the sole manufacturers of the "Pittsburgh Perfect" Fence.**

The stays are **electrically welded** to the strands and therefore the stay wires are **not weakened nor the galvanizing broken by twisting around the lateral wires**, and the **joint is indestructible**. There are **no exposed ends to invite rust** and **no wraps to hold moisture**, and on account of the **electrically welded** stay, the tensile strength of the fence is increased to a very great extent. On account of the construction of our fences we alone have accomplished what has long been the aim of all fence manufacturers, namely, to get a **solid steel fence** that is at the same time **adjustable to all levels and deflections**, and we therefore guarantee that it will conform to uneven and rolling ground.

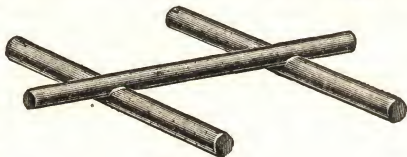
No Wraps to get loose or hold moisture and rust.

"PITTSBURGH PERFECT" FENCES

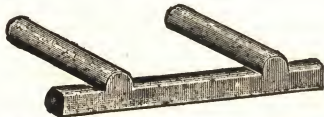


Inasmuch as the "Pittsburgh Perfect" Fence is constructed on entirely different lines from other fences, from looking at the cuts scarcely anyone would understand how we fasten our stay wires to the strand wires.

We endeavor by means of the cuts on this page to give you an idea as to how this is done. Please note that where the wires are electrically welded **both stay and strand become one piece of steel** and you get **double strength** at the joints.



The Weld.



Sectional view—Amalgamation Perfect.
No Seam.

No other fence has this advantage and this feature substantiates our claim of having **the very strongest fence** on the market, as you can readily see that no fence made out of similar size wire can possibly be as strong as ours.

***Nothing but Large,
Strong, well Galvan-
ized Steel Wires used***

"PITTSBURGH PERFECT" FENCES

POINTS.

In all other fences the stays are either wrapped around the strand or clamped on with washers; therefore the stay is rubbing the strand all of the time and **peeling off the galvanizing**, causing that strand to rust. Nothing of this in the PITTSBURGH PERFECT as there are no **wraps or clamps**.

It is the Portable Fence, as it can be taken down and moved from one place to the other without the slightest injury to the material, because **the stays stay where we put them**.

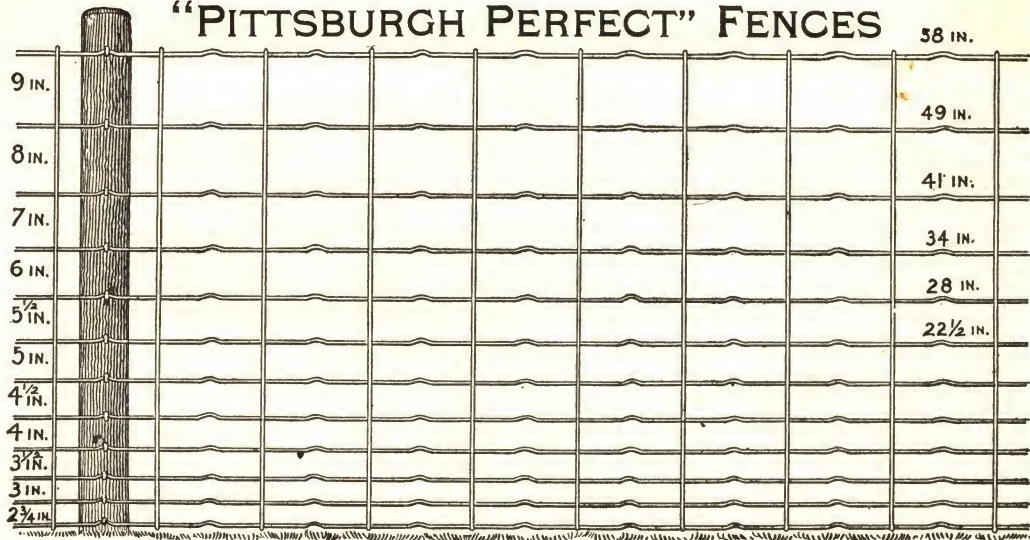
See that **Joint, Stay and Strand**—one piece. Electrically welded, the only true amalgamation of metals, and an indestructible joint, **the very best**.

Any fence with cable wires in it for strands has no provision for expansion or contraction. Diamond Mesh Fences will not conform to uneven ground.

Most of the large railroad companies, when asking for prices on fence, state that they do not want fencing that has twisted cable wires for strands. Why? Because the railroad officials know that cable wires hold moisture, thereby causing rust; that there can be no provision for expansion and contraction in cable wires and consequently a fence made with cable wires for strands soon rusts out, breaks and is unsightly. Rather hard this, but truth, every word of it.

No small wires in the "Pittsburgh Perfect"

"PITTSBURGH PERFECT" FENCES



Standard Style.
Stays 6 or 12 inches apart.

Stronger at the Joints Than Any Other.

"PITTSBURGH PERFECT" FENCES

For Field, Farm and Ranch.

The cut on page 4 illustrates our **Standard** style of "**Pittsburgh Perfect**" **Fence**, with the stay wires **twelve** inches apart. We also make this fence with the stays **six** inches apart.

Six heights of fence are made in our Standard style; namely, fifty-eight inches, which has twelve bars; forty-nine inches, which has eleven bars; forty-one inches, which has ten bars; thirty-four inches, which has nine bars; twenty-eight inches, which has eight bars, and twenty-two and one-half inches, which has seven bars

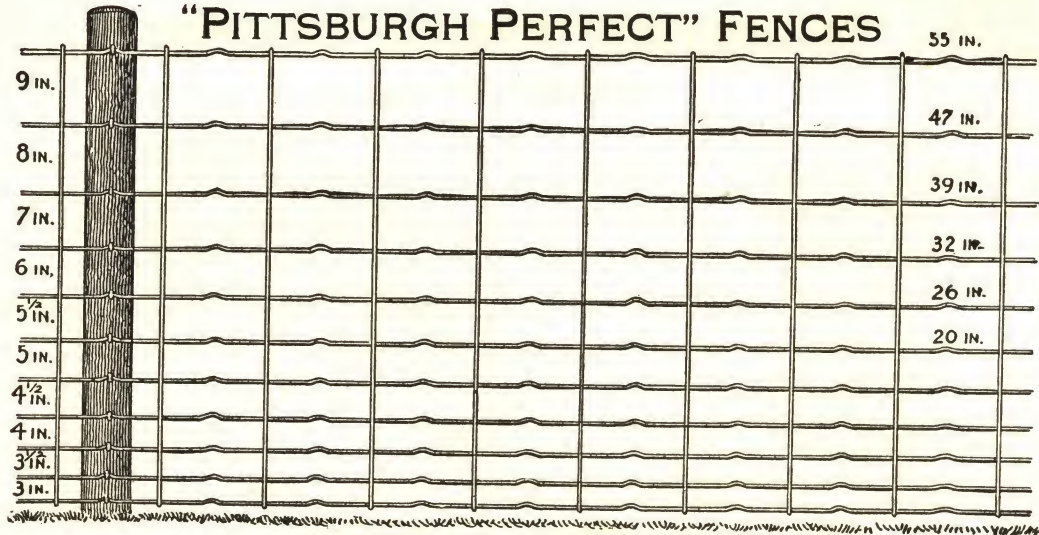
Twelve Inch or Six Inch Stays.

For **large enclosures** our experience leads us to guarantee that our twelve inch stay fences will give entire satisfaction, and you can without any hesitancy use the twelve inch stay fencing for division, highway, farm or ranch fences.

We advise you that in fencing a barnyard, making a hog-pen or any **small enclosures** to use the six inch stay fencing to get the best results.

All Strand Wires same length. Stretches up perfectly.

"PITTSBURGH PERFECT" FENCES



*Special Style. Stays 6 or 12 inches apart.
Welded Together by Electricity. No Wraps to Rust.*

"PITTSBURGH PERFECT" FENCES

Special Style.



Our **Special** Style is shown on page 6. You will notice that it is almost identical with our Standard Style except a slight difference in the spacing between the lateral wires. This makes a somewhat lighter fence which we can and do sell at a lower price per rod than the Standard Styles.

Six heights of fence are made in our **Special** Styles; namely, fifty-five inches, which has eleven bars; forty-seven inches, which has ten bars; thirty-nine inches, which has nine bars; thirty-two inches, which has eight bars; twenty-six inches, which has seven bars; twenty inches, which has six bars.

There is no difference as far as size of wire, distance between stays, galvanizing, etc., are concerned between the Special Fence and the Standard Fence.

Guaranteed all right in every particular.

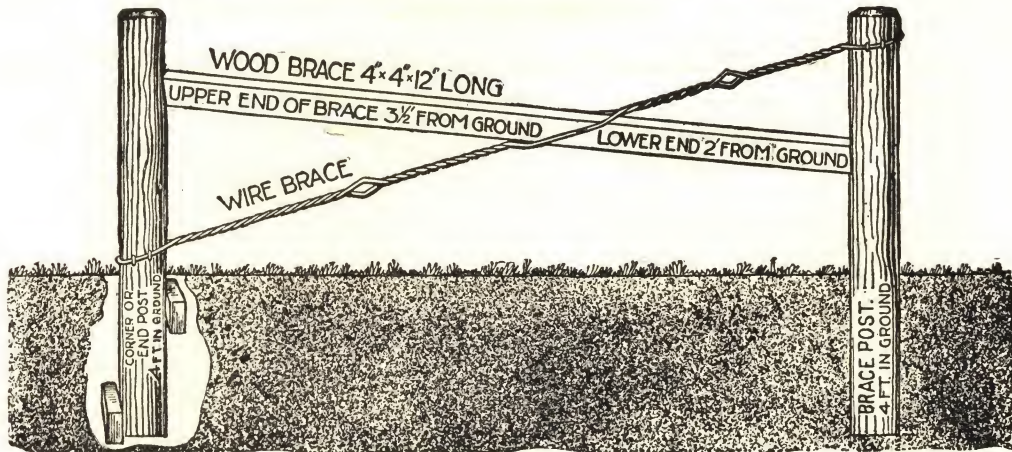
No Moisture can accumulate.

"PITTSBURGH PERFECT" FENCES

The Best, Because

1. Stays **Electrically Welded** to strands, forming a perfect union and an amalgamation with the strands not found in any other fence.
2. No wraps to get loose, or hold moisture and cause rust.
3. No projections to injure stock or tear wool from sheep.
4. Stronger at the joints than any other fence, welded together by electricity.
5. Guaranteed that the wire is not injured at the joints.
6. Guaranteed adjustable to uneven ground.
7. Guaranteed that stays will not separate from strands.
8. Guaranteed all right in every particular.
9. Made by the most modern process and on the latest improved machinery.
10. Most of the weak points in other fences are on account of the way the stays are fastened. **Our stays are amalgamated with the strands by means of electricity and the strength of the fence increased a hundredfold over the strength of a fence where the stays are wrapped or clamped on the strands.**

"PITTSBURGH PERFECT" FENCES



Set, Anchor and Brace End and Corner Posts as above indicated.

"PITTSBURGH PERFECT" FENCES

Starting to Build.

Permanent brace panels with posts set as on page 9 should be put in about every sixty rods where the fence runs in a straight line.

After your posts are set, unroll the fence with the narrow spacings toward the posts. Now staple to end post and be careful that your stays are straight up and down, and that the fence is at least three quarters way around the post. Fasten the stretcher to the other end of the roll and get it on straight and be sure that your stretcher clamps are screwed as tight as possible. This will prevent the fence from slipping through the stretchers when the tension is put on, and save lots of trouble. Now take up about two or three links with the stretcher and go along the fence line and put a staple on a few line posts to hold the fence in place while stretching.

When stretching, it is well to see that the fence does not bind on the posts. If it does, it can easily be remedied by catching the wire and pulling it like a bow string to keep it from cutting into the posts. In stretching over hilly places lift the fence where you want it, drive staple over wire next to top wire so that fence will pull through. You can do the same thing where there are hollows, simply pull the fence where you want it by standing on bottom wire, and put staple over next to bottom wire. When fence is tight, staple well to the brace and line posts, then, before removing the "**Pittsburgh Perfect**" Stretcher, tighten the wires between the stretcher clamp and end post.

Building the **"PITTSBURGH PERFECT" FENCE**

As a rule everyone appreciates the necessity of building a house or a barn well; no one would think of throwing a lot of stones in a heap and calling it a foundation, and then on top of this building their house out of the finest material that money can buy. What we want to impress on you is the fact that **we furnish you with the very best fencing material that money can buy** and consequently want you to do it justice by building it **right**; then you will have **a fence** that will last a life time, will be "a thing of beauty" and consequently "a joy forever." It is just as easy and a great deal more satisfactory to **build right in the first place** than it is to **not build right**.

End and Corner Posts.

Particular attention **must** be given to **Setting and Bracing** the **End** and **Corner** posts. If we had the space to spare in this little book we would tell you this over and over again. The life, the very existence of any fence depends largely on the End and Corner posts. On them is **all the strain**, so get **good posts** for your **Ends** and **Corners** and set them not less than three and one half to four and one half feet into the ground and anchor and brace as shown in cut on page 9.

Building the "PITTSBURGH PERFECT" FENCE—*Continued.*

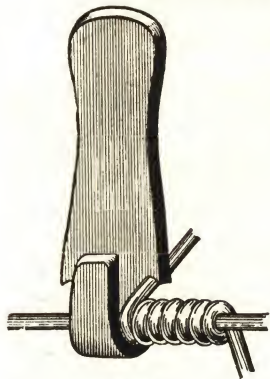
Intermediate or Line Posts should be the **cheapest good posts obtainable**. They really act as stays, but the real strain is on the End and Corner posts.

The Intermediate or Line posts should be set about a rod ($16\frac{1}{2}$ feet) apart for ordinary purposes. Some farmers set them twenty, twenty-five, and up to thirty-five or forty feet apart and get good results; but for **best results** we suggest that these posts be a rod apart.

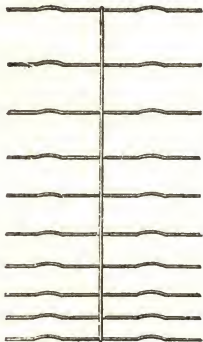
Bracing.

In erecting **The Pittsburgh Perfect Fence** so that the strain caused by the curves which take care of the expansion and contraction will not in time pull the End posts out of the ground, it is necessary that you brace the End posts well. This is done by setting a post about three and one-half to four and one-half feet in the ground and about ten or twelve feet distant from the **End or Corner post**; then brace with a piece of 4x4 timber as shown on page 9. Mortice the brace into the posts and spike well. Next take a piece of No. 7 or No. 8 Galvanized Wire, bring it around both the End post and Brace post and tie or splice the ends together. Now take a good stout stick about three feet long and twist this bracing wire as shown in cut until there is a good strain on both End and Brace post as well as on the wooden brace. Now staple the brace wire to posts as shown in cut. This prevents the wire from slipping and the Corner or End post from turning while you are stretching your fence.

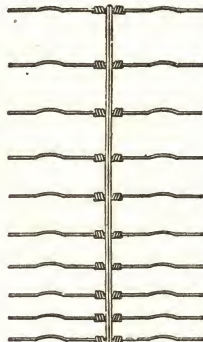
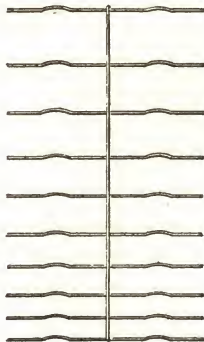
"PITTSBURGH PERFECT" FENCES



Splicer.



Ready to Splice.

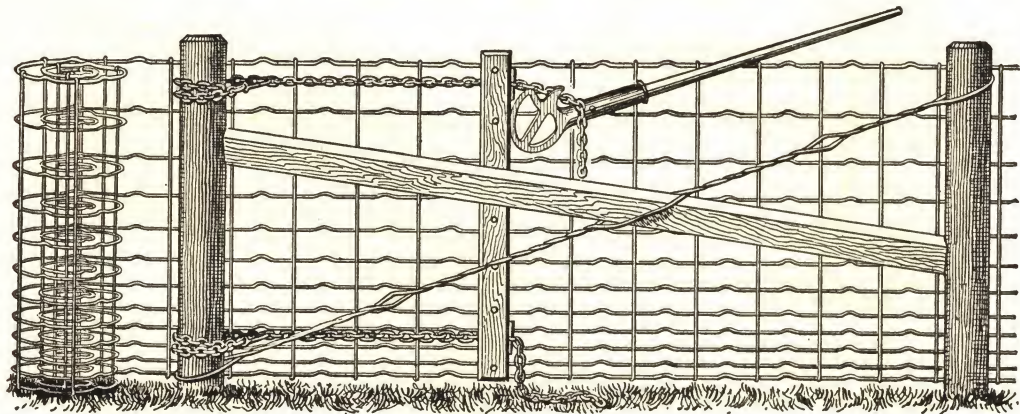


Spliced.

Make your splices with the "PITTSBURGH PERFECT" SPLICER here illustrated. Trim the fence as indicated above. **Bring the stay wires of the two pieces of fence together** to insure uniform splicing, and splice as indicated.

Hog tight. Stays cannot slip.

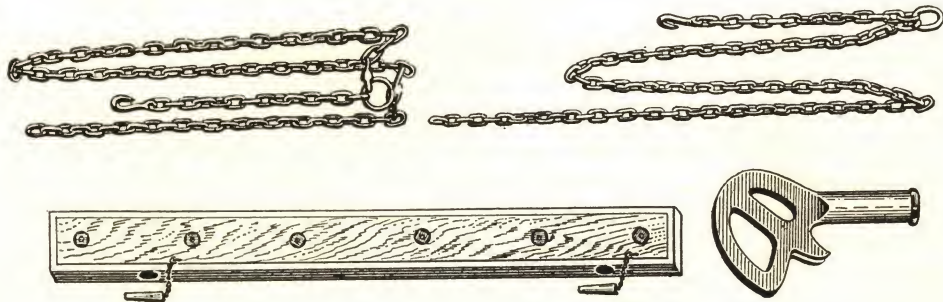
"PITTSBURGH PERFECT" WOOD CLAMP STRETCHER



Showing Stretcher in Use.

This Stretcher PUSHES the Fence toward the End Post.

"PITTSBURGH PERFECT" WOOD CLAMP STRETCHER



We illustrate hereon in detail, parts of the "Pittsburgh Perfect" Wood Clamp Stretcher, which is the only good stretcher on the market for stretching made up wire fencing. With this stretcher you can distribute the "pull" evenly all over the fence by simply moving the lever as per instructions. We do not furnish handles as a good hardwood stick will fill the bill and is easily obtainable on the ground.

Directions for Using

"PITTSBURGH PERFECT" WOOD CLAMP STRETCHER

This Stretcher pushes fencing toward end post. First fasten clamp to fencing, using a little judgment as to about how far away from the post you should fasten the clamp in order that when the fence is stretched the wooden clamp will be very near the end post. Now fasten chains to end post as shown on page 14. Pass other ends of chains through holes at top and bottom of clamp and fasten with stretcher pins. Now remove top pin and engage chain in slot of lever and press lever down, thus forcing the wooden clamp toward the end post. While the lever is down put pin in link of chain and remove lever to the lower chain and repeat until tension is right and fence is straight.

See cuts on pages 14 and 15.

TO THE MAN WHO USES FENCING

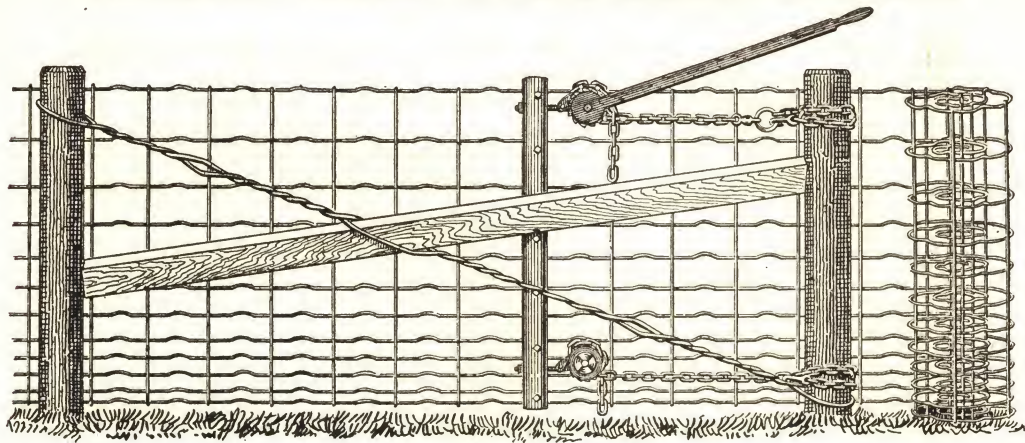
In order to make it convenient for the users of fencing to obtain the "Pittsburgh Perfect" Fence, we aim to have a first-class dealer in every town handle it and carry it in stock. Ask your dealer for it, and if he does not keep it write us direct and your wants will receive prompt and careful attention.

A Hint.

Every diamond mesh fence on the market has more or less fine wire in its construction and **nearly every one** two strand twisted cable wires for strand wires. Fine wire soon rusts through, diamond meshes will not conform to uneven ground and twisted cable wires hold moisture which causes rust. Also, cables cannot have any provision for expansion and contraction, as one wire binds the other.

Moral—Stick to fencing which has none of the above defects.

"PITTSBURGH PERFECT" STEEL CLAMP STRETCHER



*Showing STEEL CLAMP Stretcher in use.
This Stretcher pulls fence to within eight inches of end post. No finishing
stretcher required.*

Directions for Using the

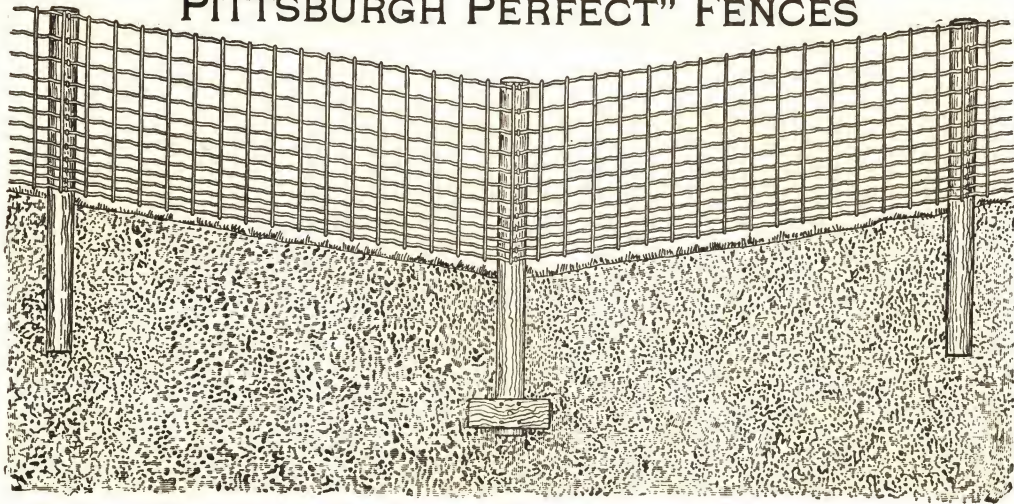
"PITTSBURGH PERFECT" STEEL CLAMP STRETCHER

This stretcher **pulls** the fence up to within eight inches of the posts. By using fair judgment in fastening clamp to the fence so that when you **have** your fencing tight the steel clamp of the stretcher will be as near to the end post as above indicated, no other tool is needed to stretch the wires from the stretcher clamp to the end post.

First take off circular side piece from the clamp and place fence between the two pieces. You need not bolt this clamp as tight as it is necessary to bolt a wooden clamp. Now fasten ends of chain to post, then adjust the ratchet wheels in the forks on clamp, first passing chain under them, then over the sprocket wheel, then adjust lever on the clutch to pull it up and stretch fence as tight as necessary. You must use the lever alternately, first on the top ratchet and then on the bottom, thus keeping your fence tight. You can gauge this by seeing that your stay wires are straight up and down.

See cut on page 18.

"PITTSBURGH PERFECT" FENCES



Anchor Posts in Hollows as shown above.

"PITTSBURGH PERFECT" SPECIALTIES

"Pittsburgh Perfect" Fence Tool.

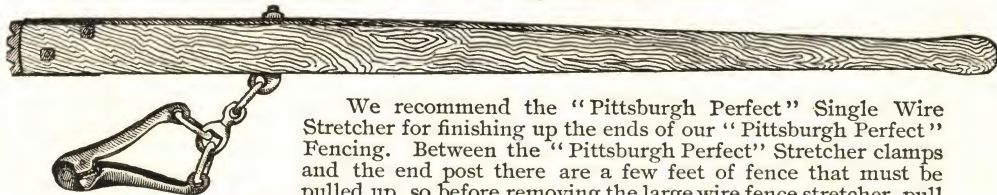


The "Pittsburgh Perfect" Fence Tool here illustrated is without doubt the most useful fence tool on the market.

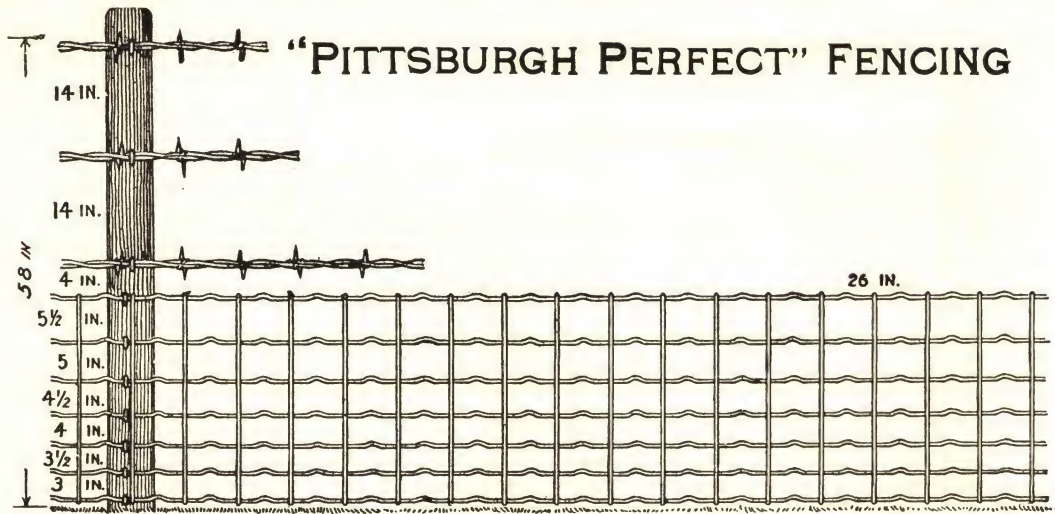
It combines hammer, wire cutter, staple and nail puller and splicing tongs.

Sold only in half dozen and one dozen lots.

"Pittsburgh Perfect" Single Wire Stretcher.



We recommend the "Pittsburgh Perfect" Single Wire Stretcher for finishing up the ends of our "Pittsburgh Perfect" Fencing. Between the "Pittsburgh Perfect" Stretcher clamps and the end post there are a few feet of fence that must be pulled up, so before removing the large wire fence stretcher, pull every strand tight and staple to end post, then remove the large stretcher. The "Pittsburgh Perfect" Single Wire Stretcher is also the Best Barb Wire Stretcher ever offered. Try it.

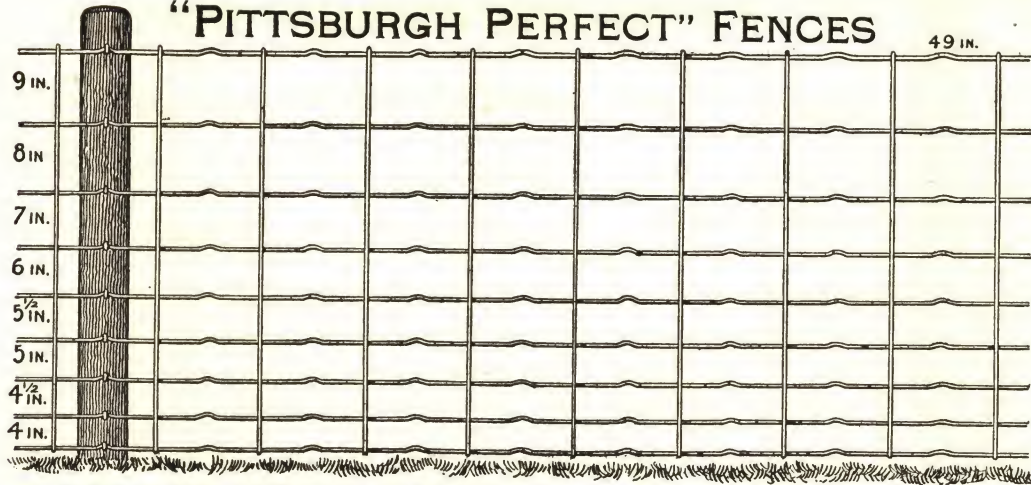


"Pittsburgh Perfect" Special Hog Fence, No. 267, 6 inch stays (26 inches high, 7 bars).

Use up your old barbed wire as shown above.

It is the Perfect Hog Fence. No Loose Wires.

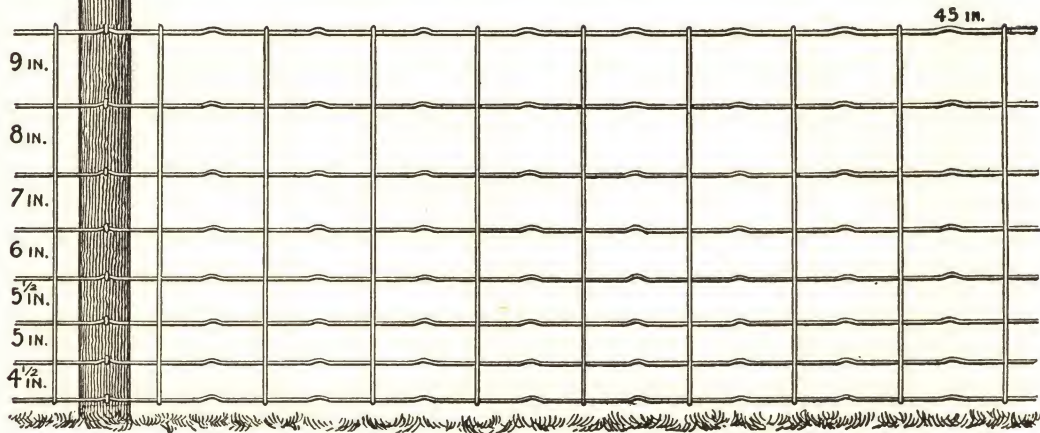
"PITTSBURGH PERFECT" FENCES



**Pittsburgh Perfect" Extra Special General Farm Fence, No. 499 (49 inches high, 9 bars).
12 inch stays shown here.**

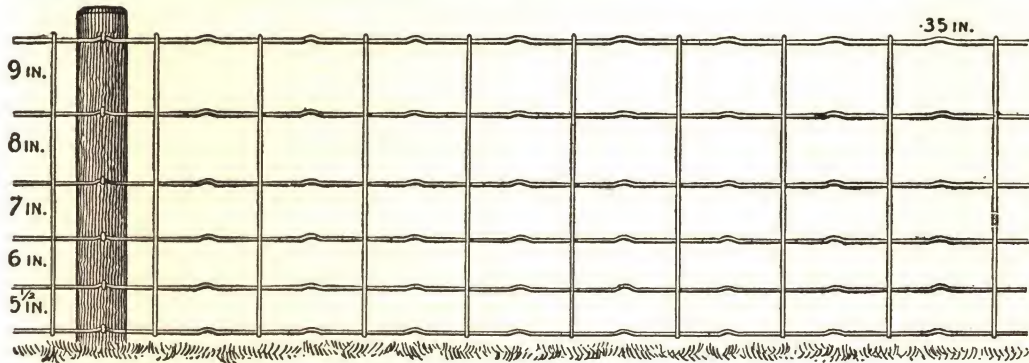
Better Galvanized Wire than in any other. Up hill or down dale. Easily erected.

"PITTSBURGH PERFECT" FENCES



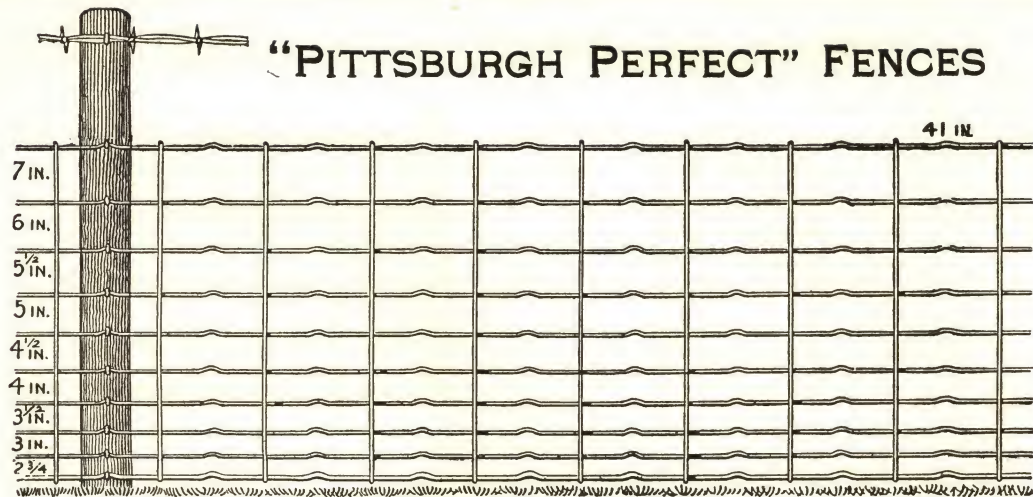
**"Pittsburgh Perfect" Extra Special General Farm Fence, No. 458 (45 inches high, 8 bars).
Stays stay in place. Will last a lifetime.**

"PITTSBURGH PERFECT" FENCES



"Pittsburgh Perfect" Extra Special General Farm Fence, No. 356 (35 inches high, 6 bars).
We make all of our fences with stays either 6 or 12 inches apart. This fence is sometimes set up 10 or 12 inches from the ground, making a first-class cattle fence.

Get prices—the low cost will surprise you.

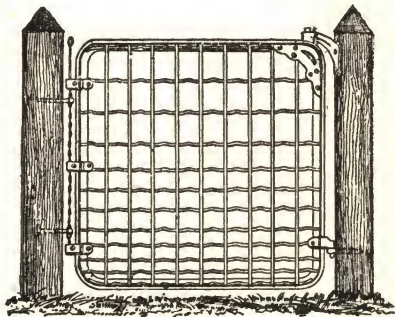


**"Pittsburgh Perfect" Standard, No. 4110 (41 inches high, 10 bars).
Regular rolls contain 40 rods.**

'The Best is the Cheapest.' This is the Best and Cheapest. Electrically Welded.

"PITTSBURGH PERFECT" STEEL GATES

"T" Steel Frames. Strong, durable and effective. Shipped complete with latches and hinges for wooden posts. All gates covered with six inch stay "Pittsburgh Perfect" fencing. No other heights or widths than enumerated in this catalogue made by us, nor do we make gates with ornamental tops.



Walk Gates.

3 ft. wide, 34, 42, 50 and 58 inches high.....	\$3 25 each.
4 ft. wide, 34, 42, 50 and 58 inches high.....	3 50 each.
5 ft. wide, 34, 42, 50 and 58 inches high.....	5 00 each.

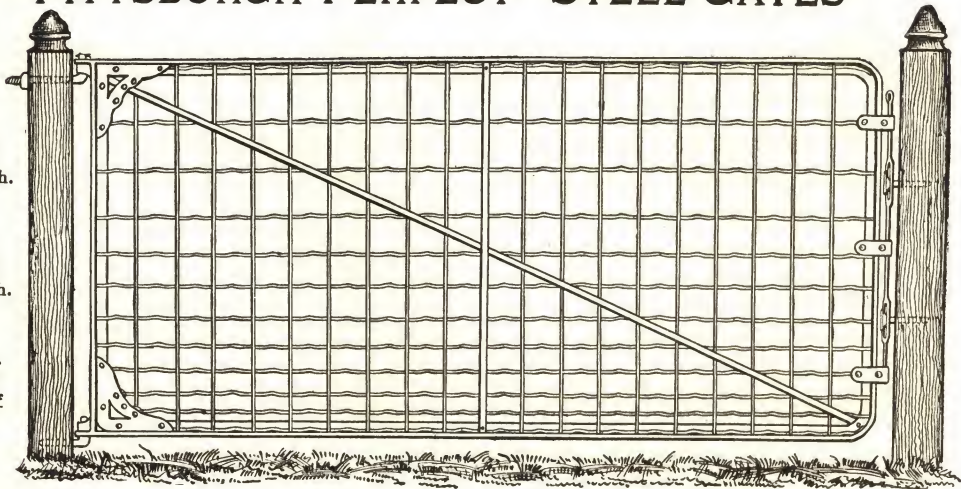
Set posts four inches farther apart than width of gate.

"PITTSBURGH PERFECT" STEEL GATES

10 feet wide,
34, 42, 50 and
58 inches high.
\$7.00 each.

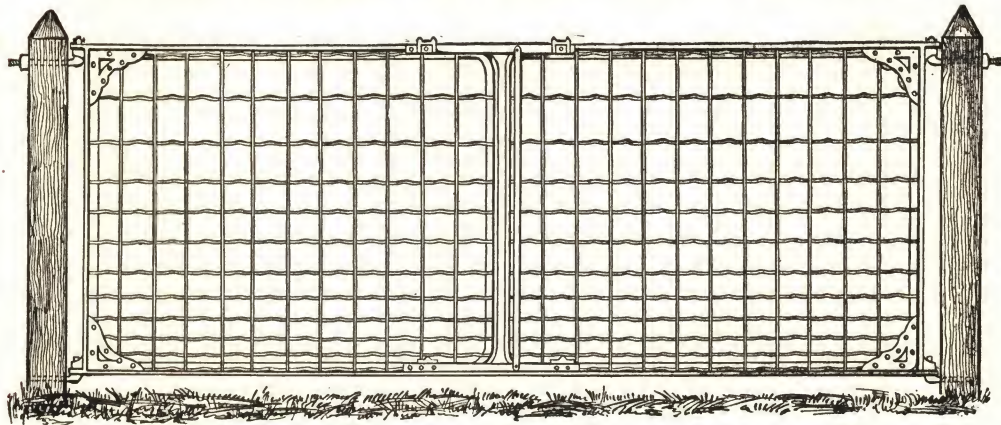
12 feet wide,
34, 42, 50 and
58 inches high.
\$7.50 each.

Set posts 6 in.
further apart
than width of
gate.



"Pittsburgh Perfect" Single Drive Gate. Weight about 110 pounds.

"PITTSBURGH PERFECT" STEEL GATES

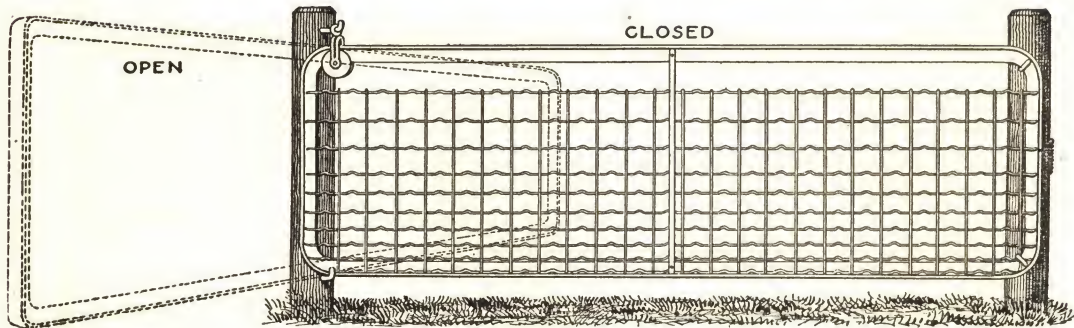


"Pittsburgh Perfect" Double Drive Gate. Weight about 125 pounds.

10 feet wide, 34, 42, 50 and 58 inches high. \$9.25 each.

12 feet wide, 34, 42, 50 and 58 inches high. \$10.00 each.

"PITTSBURGH PERFECT" STEEL GATES



"Pittsburgh Perfect" Steel YANKEE Gate.

48 inches high—14 feet long for 14 foot opening, \$6.00 each.

48 inches high—16 feet long for 16 foot opening, \$7.00 each.

These gates made to fit **opening** above mentioned. So set your posts as above indicated.

"PITTSBURGH PERFECT" STEEL FENCES

VERY IMPORTANT.

"Pittsburgh Perfect" Fence is put up regularly in 40 rod rolls and we can also furnish 20 rod rolls or 10 rod rolls when required, but do not carry a regular stock excepting of 20 and 40 Rod Rolls.

In ordering, first state the size rolls you want, then the number of rods, then the style number of fence, as shown on page 32, and *always say whether you want stays 6 inches or 12 inches apart.*

PRICE LIST TO AGENTS,
Taking Effect August 1st, 1902.
"Pittsburgh Perfect" Fencing,
Gates and Tools.

	Style Number	Height in Inches	Distance between Stays, Inches	Weight per Rod	Price per Rod
STANDARD STYLE 12-inch Stays.	5812	58	12	10.8	92 cts.
	4911	49	12	9.8	82 cts.
	4110	41	12	8.8	74 cts.
	349	34	12	7.8	66 cts.
	288	28	12	7.	58 cts.
	237	23	12	6.2	50 cts.
STANDARD STYLE 6-inch Stays.	5812	58	6	13.1	116 cts.
	4911	49	6	11.75	104 cts.
	4110	41	6	10.5	90 cts.
	349	34	6	9.25	82 cts.
	288	28	6	8.1	72 cts.
	237	23	6	7.1	62 cts.
SPECIAL STYLE 12-inch Stays.	5511	55	12	10.	84 cts.
	4710	47	12	9.	74 cts.
	399	39	12	8.	66 cts.
	328	32	12	7.	58 cts.
	267	26	12	6.5	50 cts.
	206	20	12	5.	38 cts.
SPECIAL STYLE 6-inch Stays	5511	55	6	12.25	110 cts.
	4710	47	6	11.	98 cts.
	399	39	6	9.6	84 cts.
	328	32	6	8.5	74 cts.
	267	26	6	7.75	62 cts.
	206	20	6	6.2	54 cts.
EXTRA SPECIAL GENERAL FARM FENCE 12-inch Stays.	499	49	12	8.4	70 cts.
	458	45	12	7.4	62 cts.
	356	35	12	6.	50 cts.
EXTRA SPECIAL GENERAL FARM FENCE 6-inch Stays	499	49	6	10.4	92 cts.
	458	45	6	9.5	78 cts.
	356	35	6	7.4	66 cts.

DISCOUNT F. O. B., PITTSBURGH, PA.

NOTE—In the style numbers the first two figures show the height of the fence in inches, the figure or figures after the first two figures show the number of bars in the fence, thus number 5812 means the fence is 58 inches high and has 12 bars or lateral wires. See cut on page 4.

Put up in 20 and 40 Rod Rolls.

Splicers, per dozen, net (no discount)	\$1.00
"Pittsburgh Perfect" Fence tools, per dozen, net (no discount).....	9.00
"Pittsburgh Perfect" Fence tools, per ½ dozen, net (no discount).....	4.50

We do not sell less than ½ dozen lots of "Pittsburgh Perfect" Fence Tools, but sell splicers and **single wire** stretchers in any quantities desired.

"Pittsburgh Perfect" SINGLE WIRE Stretcher,	\$10.00 per dozen
"Pittsburgh Perfect" STEEL CLAMP Stretcher,	\$10.00 each
"Pittsburgh Perfect" WOOD CLAMP Stretcher,	4.00 each

WALK GATES	{ 3 ft. wide, 34, 42, 50 and 58 in. high.	\$3.25 each
	{ 4 ft. wide, 34, 42, 50 and 58 in. high.	3.50 each
	{ 5 ft. wide, 34, 42, 50 and 58 in. high.	5.00 each

SINGLE DRIVE GATES	{ 10 ft. wide, 34, 42, 50 and 58 in. high.	\$7.00 each
	{ 12 ft. wide, 34, 42, 50 and 58 in. high.	7.50 each

DOUBLE DRIVE GATES	{ 10 ft. wide, 34, 42, 50 and 58 in. high.	\$9.25 each
	{ 12 ft. wide, 34, 42, 50 and 58 in. high.	10.00 each

"YANKEE" GATES	{ 48 in. high, to fit 14 foot opening.....	\$6.00 each
	{ 48 in. high, to fit 16 foot opening.....	7.00 each

DISCOUNT.....F.O.B., PITTSBURGH, PA.

-In the style numbers the first two figures eight of the fence in inches, the figure or figure the first two figures show the number of bars, thus number 5812 means the fence is 58 inches or 12 bars or lateral wires. See cut on page 4.

Put up in 20 and 40 Rod Rolls.

r dozen, net (no discount)	\$1.00
Perfect" Fence tools, per dozen, scount).....	9.00
Perfect" Fence tools, per ½ dozen, scount).....	4.50

not sell less than 1/2 dozen lots of "Pitts-
ect" Fence Tools, but sell splicers and
stretchers in any quantities desired.

Perfect" SINGLE WIRE Stretcher,	\$10.00 per dozen
Perfect" STEEL CLAMP Stretcher,	\$10.00 each
Perfect" WOOD CLAMP Stretcher,	4.00 each

{ 3 ft. wide, 34, 42, 50 and 58 in. high. \$3.25 each
4 ft. wide, 34, 42, 50 and 58 in. high. 3.50 each
5 ft. wide, 34, 42, 50 and 58 in. high. 5.00 each

$$\begin{cases} 10 \text{ ft. wide, } 34, 42, 50 \text{ and } 58 \text{ in. high. } \$7.00 \text{ each} \\ 12 \text{ ft. wide, } 34, 42, 50 \text{ and } 58 \text{ in. high. } 7.50 \text{ each} \end{cases}$$
$$\begin{cases} 10 \text{ ft. wide, } 34, 42, 50 \text{ and } 58 \text{ in. high. } \$9.25 \text{ each} \\ 12 \text{ ft. wide, } 34, 42, 50 \text{ and } 58 \text{ in. high } 10.00 \text{ each} \end{cases}$$
$$\begin{cases} 48 \text{ in. high, to fit 14 foot opening.....\$6.00 each} \\ 48 \text{ in. high, to fit 16 foot opening.....7.00 each} \end{cases}$$

.....F.O.B., PITTSBURGH, PA.



*THE WELD
THAT HELD*

Strength

Durability

Economy

